

PROJECT NAME: _____ CAT. #: _____

NOTES: _____ FIXTURE SCHEDULE: _____

Line Voltage Microwave Bi-level Sensor



Features:

- 24-hour daylight monitoring
- Tri-level controls including on/off and Bi-level dimming
- 0-10V dimming
- Hold time 10s-15min
- Ambient daylight threshold sensing
- Remote control (optional) to commission
- Easy user ressetable functions via DIP switches

Ordering Information

FAMILY	TECHNOLOGY	DIMMING	COLOR
MSBRI810= Line Voltage Motion Sensor	M-X= Microwave	BI= Bi-Level	W= White

*Sometimes microwave sensors (high frequency over 5 GHz spectrum) can interfere/get triggered by other high frequency devices that are common place, including some Wi-Fi routers, communications equipment etc. It is recommended that a pilot test be done to confirm application compatibility before using this sensor.

Accessories (SOLD SEPARATELY)

ORDER CODE	MODEL NUMBER	DESCRIPTION	IMAGE
104799	RMRC-100	Remote Control	

Specifications

	MSBRI810-M-X-BI-W
Power Supply	120-277VAC 50/60Hz
Maximum load	Resistive/Tungsten - 600W @ 120V Electronic Ballast (LED) - 800VA @ 120V/1200VA @ 277V
HF System	5.8Hz CW
Dim control output	0-10V, max. 25mA sinking current
Detection radius /angle	Max 13ft (4m) / 360°
Mounting height	Max 20ft
Humidity	Max. 95% RH
Temperature	-40°F to 158°F (-40°C to 70°C)



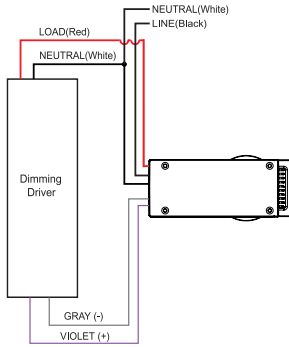
3-year standard warranty (further details available at www.maxlite.com/warranties)

Product may be eligible for a warranty extension to 10 years, for an additional fee. Contact MaxLite for details.

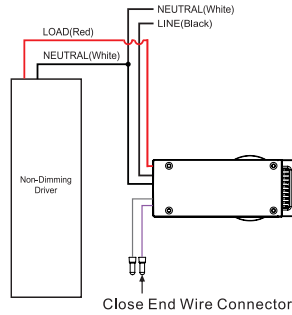
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Wiring Diagrams

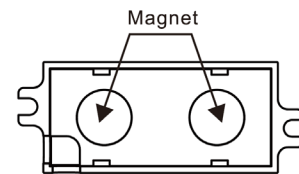
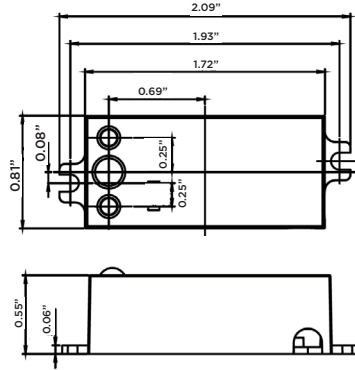
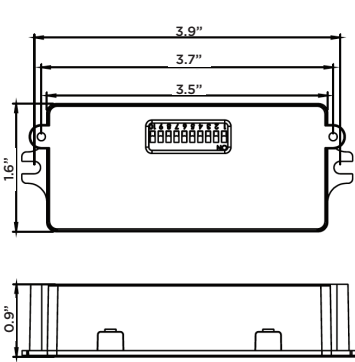
Wiring with dimming ballast or LED driver



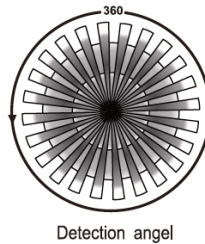
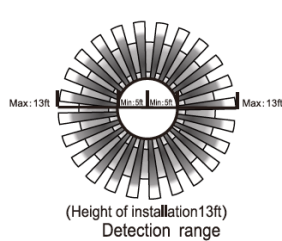
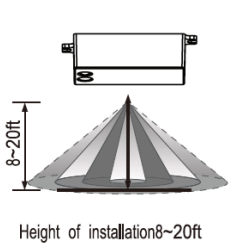
Wiring with non-dimming ballast or LED driver



Dimensions



Sensor Coverage



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Dip Switch Instructions

Detection Range Setting (sensitivity)

Detection range can be reduced by selecting the combination on the DIP switches to fit precisely each application:



Hold Time Setting

The lamp can be set to stay ON for any period of time between approx. 10sec and a maximum of 15min. Any movement detected before this time elapse will re-start the timer. It is recommended to select the shortest time for adjusting the detection zone and for performing the walk test. Switch location and hold time of the corresponding table is as follows:



Light-control Setting

The chosen lamp response threshold can be infinitely from approx. 10-50lux, switch location and light-control of the corresponding table is as follows:



Stand-by Light Level Setting

The corresponding file of switch location and Stand-by Level as follow:



Stand-by Time Setting

File of switch location and stand-by time setting as follow:



NOTE: Factory Default Settings: 100% sensitivity, Hold on time: 10 seconds, Daylight sensor is 30lux, Dimming level: 30%, Dimming time: 60 minutes.

DIP Switch:

- 1, 2 ON
- 3, 4 Off
- 5, ON, 6, OFF,
- 7, ON, 8, OFF,
- 9, 10 ON